Work Order May-29-12 1:05:.			*849	909*		-	-	·		Page 1
Revision ID: Item Name: S	D209-669-014 Skidtube RH 9/05/2012	*1* *1*	Accept	*N900 Cust Item I Customer:		100)*	Setup Star	ı	S1* S2*
	Process Plan: <u>M</u> LJ QC:	Date: 17/05/	36Tooling: SPC (Y/N):		te:			Run Sta	1/1	R1* R2*
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	t Reject Qty	Reject Number	Insp. Stamp
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D209-669-014 DSI 9450	Rev B Rev A									
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Work Orde May-29-12 1:0.		909		*849	909*						Page 2
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Start Date: Required Date: Reference:	29/05/2012 : 16/07/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item I Customer:	D:				IV	. 1/
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Work Order ID: 84909

D209-669-014

Parent Item Name: Skidtube RH

84909

D209-669-014

Start Date: 29/05/2012

Required Date: 16/07/2012

Start Qty: 1.00

Required Qty: 1.00

Comments:

Parent Item:

New IPP 08.02.13 new issue EC, verified by:DD IPP Rev:B 08-05-20 chg QTY of D2570 DD verified by:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
	9-043*	Manufactured	No	· — <u>-</u>		110	Each	2.0000	**	1 & V	933		
Replacement/Skidtube				<u>Location</u> Mezz	<u>1</u>	Loc	<u>Qty</u> 2	Loc Code		- 5-7-			
-				IVIEZZ	39205 39206		1		_		- - -		•
D2917-2 *D2917-2 Saddle RH	+	Manufactured	No			110	Each	1.0000	**	² 38	4139		
Saddle (A)				<u>Location</u> ST424	1	Loc	<u>Otv</u> 1	Loc Code			_		1
D2918-2 *D2918-2*	k	Manufactured	No		52129	110	l Each	1.0000	2		14140		5.DG
Saddle RH				Location	<u>l</u>	<u>Loc (</u>	<u>Oty</u>	Loc Code			1190		Z 4 6
				ST424	52133		ł 1			*			

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Picklist Print Page 2 May-29-12 1:05:40 PM Work Order ID: 84909 *84909* Parent Item: D209-669-014 *D209-669-014* Parent Item Name: Skidtube RH Start Date: 29/05/2012 **Required Date:** 16/07/2012 Required Qty: 1.00 Start Qty: 1.00 AN4-51A Purchased No 110 Each 302.0000 ** Location Loc Qty Loc Code 362 200 121181 200 ST361 102 119798 30 121584 72 Manufactured No 110 Each 711.0000 3854115f Location Loc Qty Loc Code ST011 711 72960 41 78586 9 79493 12 81956 24 81957 400 82874 225 No Purchased 110 4.095.000 Each ** Location Loc Qty Loc Code

4095

125

713

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121652

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Work Order ID: 84909 Parent Item: D209-669-014 Parent Item Name: Skidtube RH			4909* 209-669-0	14*	-		te: 29/05/2012	Required Date: 16/07/2012
ans-36a *AN5≘3™A*	Purchased	No		110	Each	Start Qo 184.0000 **	4 4	Required Qty: 1.00
> Bolt			<u>Location</u>	<u>Loc (</u>	<u>Qty</u>	Loc Code	<u> </u>	¥
			340 121181 121652		134 34 100			- -
			ST340 121708 .		50 50		4	- - -
*AN960JD516 NAS1149D0563J *AN960.ID516*	Purchased	No		110	Each	0.0000 **	8	M/19546 A
MS21042L5 *MS21042L5 Nut	Purchased	No		110	Each	1,447.000	4	
			Location	Loc (Loc Code		
			300 121652		500 500			_
			ST300		947			_
			108827		8			
			116105 116548		5 43			
			117611		18			_
			119109		865		y	-
1			17651		8			_
AN4-7A	Purchased	No		110	Each	124.0000	16	1 /
(*AN4-7A* Bolt						**	MIZZ	141 12/7/12/08
			Location	Loc C		Loc Code		
			ST356		124			_
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Work Order ID: 84909

Parent Item:

D209-669-014

Parent Item Name:

Skidtube RH

84909

D209-669-014

Start Date: 29/05/2012

Required Date: 16/07/2012

Start Qty: 1.00

Required Qty: 1.00

AN960JD416

NAS1149D0463J Purchased

No

110

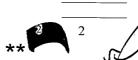
30.0000 Each

**

D2929 Spacer

Manufactured No Location Loc Qty ST351 30 116289 10 119097 110

20 Each 86.0000





D2930

Manufactured No Location Loc Oty ST021 86 53564 86 110 Each

Loc Code

102.0000

Loc Code



Manufactured No Location Loc Qty ST021 102 53563 102 110 Each

Loc Code

6.0000



Location Loc Qty Loc Code ST478 6 62227 2 77000 2 82031 82032

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Work Order ID: 84909

Parent Item:

D209-669-014

Parent Item Name:

Skidtube RH

84909 *D209-669-014*

Start Date: 29/05/2012

Required Date: 16/07/2012

Start Qty: 1.00

Required Qty: 1.00

AN4C47A

Purchased

No

110

Each 48.0000

Purchased

Manufactured

No

Location Loc Qty ST361 118451 6 119798 2 22 121009 121585 18 110

Each

1,346.000

Loc Code

Loc Code



Location	Loc Qty					
FG	40					
104603		40				
ST301		1306				
119546		147				
121162		659				
121652		500				
	110	Each				

Location ST478

82038

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Work Order ID: 84909

Parent Item:

D209-669-014

Parent Item Name:

Skidtube RH

84909

D209-669-014

Start Date: 29/05/2012

Required Date: 16/07/2012

Required Qty: 1.00

Start Qty: 1.00

D3407-041

Manufactured

110

27.0000

Each

**

D3456-1

Manufactured No

Manufactured

Location Loc Qty ST463 27 82067 6 82068 19 82108 2 110 Each

156.0000

Loc Code

Loc Code





/	D3417-5
5	*\hbar{12417-5*} Washer

FG ST044

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D209-669 REV. B

INSTRUCTIONS:

- 1) FOR D209-669-011/-012/-013/-014 SKID TUBES @ CHANGE 003 AND SUBSEQUENT, MODIFY THE FOLLOWING:
 - a) REPLACE THE D2968-041 TOW RING WITH THE D3407-041 TOW RING ASSEMBLY.
 - b) REPLACE THE D2736-1 AND D2736-3 GHW LUGS WITH THE D3405-041 AND D3405-043 LUG ASSEMBLIES.
 - c) AMEND THE PARTS LIST IN SECTION 5.0 OF INSTALLATION INSTRUCTIONS IIN-D209-669 REV. B AS SHOWN ON PAGE 2 OF THIS DSI.

NOTE: ALL INSTALLATION FASTENERS FOR THE ABOVE CHANGES HAVE BEEN UPDATED. SEE THE AMENDED PARTS LIST ON PAGE 2 FOR DETAILS.

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 64905 M
12/05 M
12/05 [30]

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CHECKED				DRAWING NO.		REV. A			
MFG. AP	PR.	N/	40	DSI 9450	;	SHEET 1 OF 3			
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DE APP	₹.	~ / /	t^{-}	SKIDTUBE INSTALLATIONS					
DATE	09.02	2.24		COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONTIDENTIAL AND IS SUPPLIED OF THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPILED OF COMPANY ATED TO ANY OTHER PERSON WITHOUT					

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5.0 PARTS LIST

ITEM	QTY -011	QTY -012	QTY -013	QTY -014	QTY -041	QTY -043	PART NUMBER	DESCRIPTION
	X						D209-669-011	SKIDTUBE INSTALLATION, LH (AH-1W/J)
····		х					D209-669-012	SKIDTUBE INSTALLATION, RH (AH-1W/J)
			x				D209-669-013	SKIDTUBE INSTALLATION, LH (AH-1P/F/S)
			-	х			D209-669-014	SKIDTUBE INSTALLATION, RH (AH-1P/F/S)
	1	1			X		D209-669-041	REPLACEMENT SKIDTUBE (AH-1W/J)
			1	1		X	D209-669-043	REPLACEMENT SKIDTUBE (AH-1P/F/S)
							1	

<u>IS:</u>

50	4	4	1	1	D3405-041	LUG ASSEMBLY
51	8	8	4	4	AN4C47A	BOLT
52	16	16	8	8	D2570	BUSHING
53	8	8	4	4	MS21043-4	NUT
54			1	1	D3405-043	LUG ASSEMBLY
60	1	1	1	1	D3407-041	TOW RING ASSEMBLY
61	1	1	1	1	D3456-1	WASHER
62	1	1	1	1	MS21043-4	NUT
63	2	2	2	2	D3417-5	WASHER

WAS:

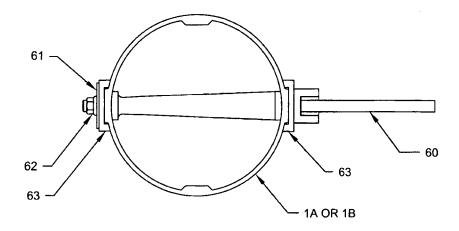
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50	4	4	1	1	D2736-1	GHW LUG
51	8	8	4	4	AN4-46A	BOLT
52	16	16	8	8	D2570	BUSHING
53	8	8	4	4	MS21042L4	NUT (OR MS21042-4)
54			1	1	D2736-3	GHW LUG
60	1	1	1	1	D2968-041	TOW RING
61	1	1	1	1	AN970-4	WASHER
62	1	1	1	1	MS21042L4	NUT (OR MS21042-4)

DESIGN	AJS	DART AEROSPAC	CE LTD	
DRAWN	A.S	HAWKESBURY, ONTARIO, C	ANADA	
CHECKED		DRAWING NO.	REV. A	
MFG. APPR.	N/A)	DSI 9450	SHEET 2 OF 3	
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DE APPR.	-#	SKIDTUBE INSTALLATIONS	NTS	
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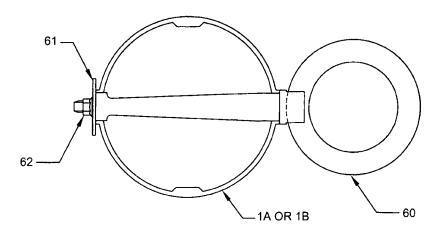
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NO PICTORIAL CHANGE REQUIRED FOR GROUND HANDLING WHEEL LUG CHANGES.

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CHECKED		DRAWING NO.	REV. A				
MFG. APPR.	N/A)	DSI 9450	SHEET 3 OF 3				
APPROVED	M	TITLE	SCALE				
DE APPR.	-#	SKIDTUBE INSTALLATIONS	NTS				
DATE 09.0	2.24	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONSIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PRIPAGES OF ALCOHED ON COMMUNICATED TO ANY OTHER PERSON ALTHOUT WHITE I LINKSHOW BEARD ARE ARROSPACE LTD.					

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4.0 **WEIGHT AND BALANCE**

The following weight and balance information is for the replacement Dart parts. The weight and balance of the skidtubes that are being removed from the aircraft is the responsibility of the installer.

	•	LONGITUDINAL			
Installation	Weight	Arm	Moment		
D209-669-011/-012	49.6 lb	170.4 in	8452 in lb		
SKIDTUBE INSTALLATION	22.5 kg	4.33 m	97.4 m kg		
D209-669-013/-014	43.8 lb	176.5 in	7731 in lb		
SKIDTUBE INSTALLATION	19.9 kg	4.48 m	89.2 m kg		

PARTS LIST 5.0

ltem	Qty -011	Qty -012	Qty -013	Qty -014	Qty -041	Qty -043	Part Number	Description
	х						D209-669-011	SKIDTUBE INSTALLATION, LH (AH-1W/J)
		х					D209-669-012	SKIDTUBE INSTALLATION, RH (AH-1W/J)
			Х				D209-669-013	SKIDTUBE INSTALLATION, LH (AH-1P/F/S)
				Х			D209-669-014	SKIDTUBE INSTALLATION, RH (AH-1P/F/S)
	1	1			X		D209-669-041	REPLACEMENT SKIDTUBE (AH-1W/J)
			1 ,	1 1		Х	D209-669-043	REPLACEMENT SKIDTUBE (AH-1P/F/S)
			,					
1A					1		D2906-041	SKIDTUBE ASSEMBLY
1B						1	D2906-043	SKIDTUBE ASSEMBLY
2	1		2				D291.7 <u>-</u> 1	OUTER SADDLE (FWD, LH)
3		1		/2			.D2917-2	OUTER SADDLE (FWD, RH)
4	1		2		-		D2918-1	INNER SADDLE (FWD, LH)
5		1		[*] 2			D2918-2	INNER SADDLE (FWD, RH)
6	1						D2919-1	OUTER SADDLE (AFT, LH)
7		1					D2919-2	OUTER SADDLE (AFT, RH)
8	1						D2920-1	INNER SADDLE (AFT, LH)
9	1	1					D2920-2	INNER SADDLE (AFT, RH)
10	8	8	8	4 8_		9.1	AN4-51A >	BOLT
11	16	16	16	1 6			-D2570	BUSHINGS
12	8	8	8] 8			MS21042L4/	NUT (OR MS21042-4)
13	2	2	4	/ 4			AN5-36A	BOLT
14	2	2					AN5-41A	BOLT
15	8	8	8	/ 8			AN960JD5167	WASHER
16	4	4	4 /	4			MS21042L5	NUT (OR MS21042-5)
17	16	16	16	7 16		V	-AN4=7A	BOLT
18	32	32	32	32			AN960JD416	WASHER
19	16	16	16	/ 16			MS21042L4	NUT (OR MS21042-4)

CONTINUED ON NEXT PAGE

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Revision: ${f B}$

Date: 07.08.23

CONTINUED FROM PREVIOUS PAGE

21 2 2 2 2 2 2		CONTINUED FROM FREVIOUS FAGE										
*30A		2	2	[2	2			D2929 <u></u>	SPACER			
30B	21	2	2	<u>_2</u>	2			_D2930/	SPACER			
30B												
*31B	*30A	, i				1	1	D3564-9	WEARSHOE (REPLACES D2577-1)			
31B	*30B					1	1	D3566-1	GASKET			
1	*31A					1		D3564-15	WEARSHOE (REPLACES 18" D2577-5)			
*32B 1 1 D3566-1 GASKET *33A 1 1 D3564-5 WEARSHOE (REPLACES D2577-5) *33B 1 1 D3566-5 GASKET *34 50 44 AN3C4A BOLT (REPLACES AN3-4A) *35 50 44 AN960C10L WASHER (REPLACES AN960JD10L) *36 50 44 AN960C10L WASHER (REPLACES AN960JD10L) *37 12 14 D2594-1 PLUG *38 12 14 D2594-3 O-RING *40 2 2 D2855 AFT CAP *41 4 4 AN3-5A BOLT *42 4 4 AN960JD10L WASHER *43 4 4 AN960JD10L WASHER *43 4 4 AN960JD10L WASHER *43 4 4 AN960JD10L WASHER *51 8 8 4 4 AN4-46A BOLT	*31B					1		D3566-15	GASKET			
*33A 1 1 D3564-5 WEARSHOE (REPLACES D2577-5) *33B 1 1 D3566-5 GASKET *34 50 44 AN3C4A BOLT (REPLACES AN3-4A) *35 50 44 AN960C10L WASHER (REPLACES AN960JD10L) *36 50 44 AN960C10L WASHER (REPLACES AN960JD10L) *37 12 14 D2594-1 PLUG *38 12 14 D2594-1 PLUG *40 2 2 D2855 AFT CAP *41 4 4 AN3-5A BOLT *42 4 4 AN960JD10L WASHER *43 4 4 AN960JD10L WASHER *50 4 4 1 D2736-1 GHW LUG	*32A					1	1	D3564-11	WEARSHOE (REPLACES D2577-3)			
*33B	*32B					1	1	D3566-1	GASKET			
*34	*33A					1	1	D3564-5	WEARSHOE (REPLACES D2577-5)			
*35	*33B					1	1	D3566-5	GASKET			
*36	*34					50	44	AN3C4A	BOLT (REPLACES AN3-4A)			
ALS4-1032-130, OR AKS4-1032-130) *37	*35					50	44	AN960C10L	WASHER (REPLACES AN960JD10L)			
*37	*36					50	44	AKS7-1032-130	INSERT (OR ALS7-1032-130, OR			
*38									ALS4-1032-130, OR AKS4-1032-130)			
*40	*37					12	14	D2594-1	PLUG			
*41 4 4 AN3-5A BOLT *42 4 4 AN960JD10L WASHER *43 4 4 AKS7-1032-225 INSERT (OR ALS7-1032-225, OR AKS4-1032-225) 50 4 4 1 1 D2736-1 GHW LUG 51 8 8 4 4 AN4-46A BOLT 52 16 16 8 8 D2570 BUSHING 53 8 8 4 4 MS21042L4 NUT (OR MS21042-4) 54 1 1 D2736-3 LUG ASSEMBLY 60 1 1 1 1 AN970-4 WASHER 62 1 1 1 MS21042L4 NUT (OR MS21042-4)	*38					12	14	D2594-3	O-RING			
*41 4 4 AN3-5A BOLT *42 4 4 AN960JD10L WASHER *43 4 4 AKS7-1032-225 INSERT (OR ALS7-1032-225, OR AKS4-1032-225) 50 4 4 1 1 D2736-1 GHW LUG 51 8 8 4 4 AN4-46A BOLT 52 16 16 8 8 D2570 BUSHING 53 8 8 4 4 MS21042L4 NUT (OR MS21042-4) 54 1 1 D2736-3 LUG ASSEMBLY 60 1 1 1 1 AN970-4 WASHER 62 1 1 1 MS21042L4 NUT (OR MS21042-4)												
*42 4 4 AN960JD10L WASHER *43 4 4 AKS7-1032-225 INSERT (OR ALS7-1032-225, OR AKS4-1032-225) 50 4 4 1 1 D2736-1 GHW LUG 51 8 8 4 4 AN4-46A BOLT 52 16 16 8 8 D2570 BUSHING 53 8 8 4 4 MS21042L4 NUT (OR MS21042-4) 54 1 1 D2736-3 LUG ASSEMBLY 60 1 1 1 AN970-4 WASHER 61 1 1 1 AN970-4 WASHER 62 1 1 1 MS21042L4 NUT (OR MS21042-4)	*40					2	2	D2855	AFT CAP			
*43 *43 4	*41					4	4	AN3-5A	BOLT			
ALS4-1032-225, OR AKS4-1032-225) 50	*42					4	4	AN960JD10L	WASHER			
50 4 4 1 1 D2736-1 GHW LUG 51 8 8 4 4 AN4-46A BOLT 52 16 16 8 8 D2570 BUSHING 53 8 8 4 4 MS21042L4 NUT (OR MS21042-4) 54 1 1 D2736-3 LUG ASSEMBLY 60 1 1 1 1 TOW RING 61 1 1 1 AN970-4 WASHER 62 1 1 1 MS21042L4 NUT (OR MS21042-4)	*43					4	4	AKS7-1032-225	INSERT (OR ALS7-1032-225, OR			
51 8 8 4 4 AN4-46A BOLT 52 16 16 8 8 D2570 BUSHING 53 8 8 4 4 MS21042L4 NUT (OR MS21042-4) 54 1 1 D2736-3 LUG ASSEMBLY 60 1 1 1 TOW RING 61 1 1 1 AN970-4 WASHER 62 1 1 1 MS21042L4 NUT (OR MS21042-4)				•					ALS4-1032-225, OR AKS4-1032-225)			
51 8 8 4 4 AN4-46A BOLT 52 16 16 8 8 D2570 BUSHING 53 8 8 4 4 MS21042L4 NUT (OR MS21042-4) 54 1 1 D2736-3 LUG ASSEMBLY 60 1 1 1 TOW RING 61 1 1 1 AN970-4 WASHER 62 1 1 1 MS21042L4 NUT (OR MS21042-4)												
52 16 16 8 8 D2570 BUSHING 53 8 8 4 4 MS21042L4 NUT (OR MS21042-4) 54 1 1 D2736-3 LUG ASSEMBLY 60 1 1 1 TOW RING 61 1 1 1 AN970-4 WASHER 62 1 1 1 MS21042L4 NUT (OR MS21042-4)	50	4	4	1	1			D2736-1	GHW LUG			
53 8 8 4 4 MS21042L4 NUT (OR MS21042-4) 54 1 1 D2736-3 LUG ASSEMBLY 60 1 1 1 TOW RING 61 1 1 1 AN970-4 WASHER 62 1 1 1 MS21042L4 NUT (OR MS21042-4)	51	8	8	4	4			AN4-46A				
54 1 1 D2736-3 LUG ASSEMBLY 60 1 1 1 1 TOW RING 61 1 1 1 AN970-4 WASHER 62 1 1 1 MS21042L4 NUT (OR MS21042-4)	52	16	16	8	8			D2570				
60 1 1 1 1 D2968-041 TOW RING 61 1 1 1 1 AN970-4 WASHER 62 1 1 1 1 MS21042L4 NUT (OR MS21042-4)	53	8	8	4	4			MS21042L4	NUT (OR MS21042-4)			
61 1 1 1 1 AN970-4 WASHER 62 1 1 1 1 MS21042L4 NUT (OR MS21042-4)	54			1	1			D2736-3	LUG ASSEMBLY			
61 1 1 1 1 AN970-4 WASHER 62 1 1 1 1 MS21042L4 NUT (OR MS21042-4)			-									
62 1 1 1 1 MS21042L4 NUT (OR MS21042-4)	60	1	1	1	1			D2968-041	TOW RING			
	61	1	1	1	1			AN970-4				
THE PROPERTY OF THE PROPERTY O	62	1	1	1	1_							

^{*} DENOTES THAT PART IS INCLUDED WITH D2906-041/-043 SKIDTUBE ASSEMBLY

5.0 PARTS LIST

ITEM	QTY -011	QTY -012	QTY -013	QTY -014	QTY -041	QTY -043	PART NUMBER	DESCRIPTION
	х						D209-669-011	SKIDTUBE INSTALLATION, LH (AH-1W/J)
		х					D209-669-012	SKIDTUBE INSTALLATION, RH (AH-1W/J)
			х				D209-669-013	SKIDTUBE INSTALLATION, LH (AH-1P/F/S)
				х			D209-669-014	SKIDTUBE INSTALLATION, RH (AH-1P/F/S)
	1	1			Х		D209-669-041	REPLACEMENT SKIDTUBE (AH-1W/J)
			1	1		Х	D209-669-043	REPLACEMENT SKIDTUBE (AH-1P/F/S)
							1	

IS:

			T	T	- 	
50	4	4	1	4	D3405 <u>-041</u>	LUG ASSEMBLY
51	8	8	4		AN4C47A/	BOLT
52	16	16	8	/8	D2570 2	BUSHING
53	8	8	4	/4	MS21043_4_/	NUT
54			1	/ 1	D3405-043	LUG ASSEMBLY
60	1	1	1	1	D3407-041	TOW RING ASSEMBLY
61	1	1	1	/1	D3456-1	WASHER
62	1	1	1	71	MS21043-4	NUT
63	2	2	2	2	D3417-5	WASHER
	İ	l				

WAS:

50	4	4	1	1	D2736-1	GHW LUG					
51	8	8	4	4	AN4-46A	BOLT					
52	16	16	8	8	D2570	BUSHING					
53	8	8	4	4	MS21042L4	NUT (OR MS21042-4)					
54			1	1	D2736-3	GHW LUG					
60	1	1	1	1	D2968-041	TOW RING					
61	1	1	1	1	AN970-4	WASHER					
62	1	1	1	1	MS21042L4	NUT (OR MS21042-4)					

DESIGN	AJS	DART AEROSPACE LTD				
DRAWN	A∮S	HAWKESBURY, ONTARIO, CANADA				
CHECKED		DRAWING NO.	REV. A			
MFG. APPR.	N/A)	DSI 9450	SHEET2 OF 3			
APPROVED	JW.	TITLE	SCALE			
DE APPR.	-#	SKIDTUBE INSTALLATIONS	NTS			
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